

FIG. 1



$\frac{MW}{KD}$

— 220

— 97

— 66

— 64

— 80

— 21 5

— 14 3

FIG._3

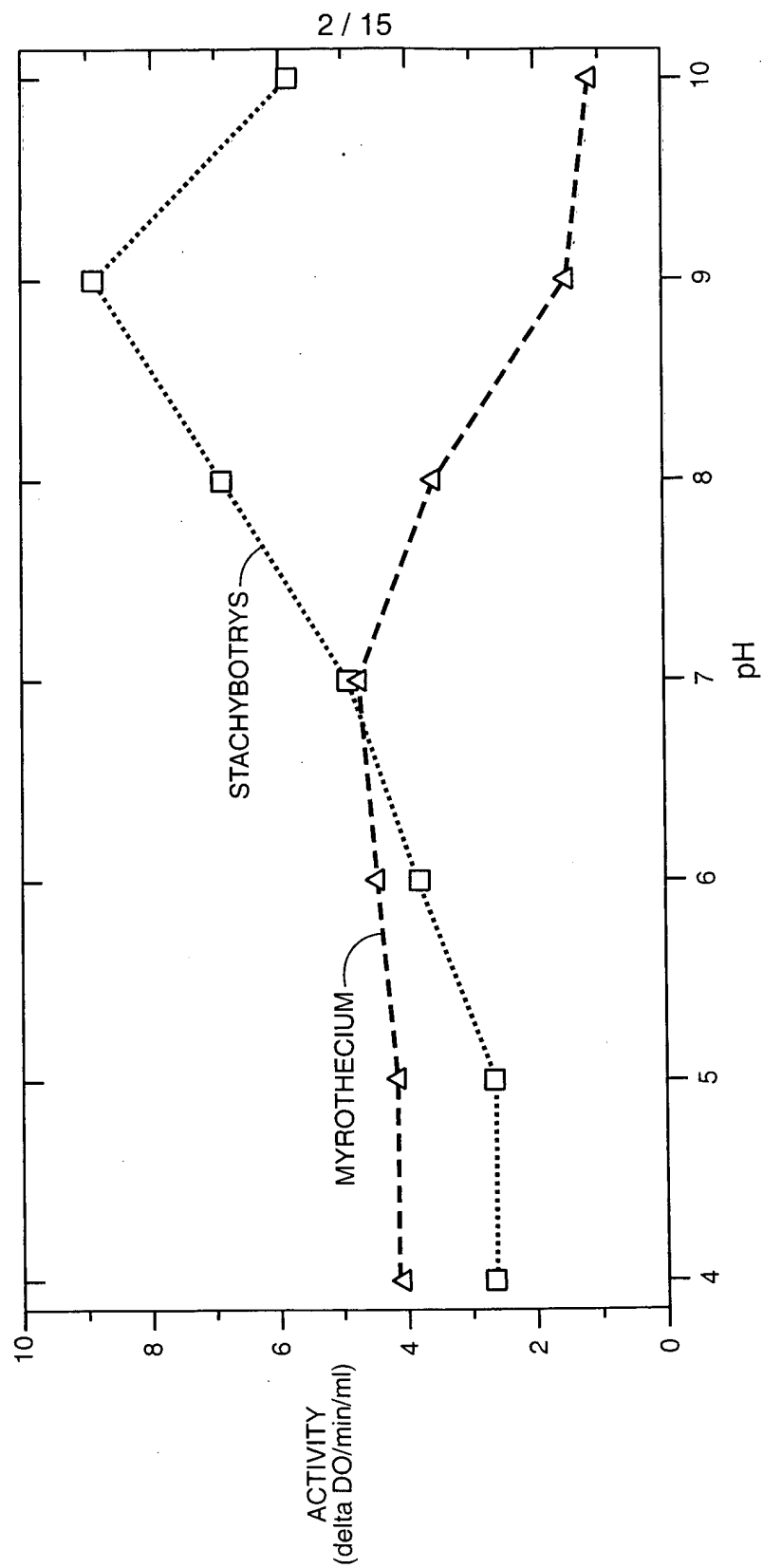


FIG._2

	10	20	30	40	50	60	70
bilirubin/oxidation	MFKHTLGAALSLLFNSNAVQASVPETSPATGHLFKRVAQISPOYPMTFVLPIPPVKQAPRLT'VNPN	70					
mpf-A(part).p	A-----KGFWTGAKVQARVMPE-----HMYGPLIQARKGTPTRLKFVNLLPGGRAETT'VGADGK	55					
st. ch.	-----	1					

[illegible]

	150	160	170	180	190	200	210
biliru/oxidas	LHG-----	SF	RA	FD	GWA	ED	ITE
mpf-A(part).p	LVNQ	ID	PE	FL	PS	FL	RG
St. ch.	SAQ	NV	PD	MP	DP	PG	AG
	AS	TY	FF	PN	QG	SAR	ML
	WY	HD	HT	IG	TR	LN	VY
	AG	MA	AV	YT			
	---	---	---	---	---	---	---
	DY	FF	PN	Q	SAR	LL	XX
	YH	DH	A				

biliru/oxidas
mpf-A (part).p
st. ch.

biliru/okidas
mpf-A(part).p
St. ch.

FIG. 4A

biliru/oxidas mpf-A(part).p St. ch.	360	370	380	390	400	410	420	373 405 19
	LYISMAERYEVVDFSDYAGKTIELRNLGSGIGIGTDDYDNT---	DKVMRFVVA	DDTTQPD	TSVVPAN				
	VLNASNDRFFNISLFWADEAQRNLNDPLLLGGATEVKMVDAAVSATPCAAGVTRAVVATDGSYCTPETWPTD							
biliru/oxidas mpf-A(part).p St. ch.	430	440	450	460	470	480	490	441 474 19
	LRDVPFPSPPTNTPRQFRFGRTGPTWT-INGVAFADVQNRL-LANVPVGTVERWELINAGNGWTHPIIH							
	NRPGGVPSPAQAQGPSFFQIANEGGLLPKVAEIAFTPVGYQLDKGRITVLNVLTITGLYLIGNAERAD-VLVD							
biliru/oxidas mpf-A(part).p St. ch.	500	510	520	530	540	550	560	504 538 19
	LVDFK---VISRTSGNNARTVMPYESGLKDVVWLGRRRETVVVEAH---	YAPFPGVVMF	CHNLIHEDHD					
	LSAYAGKTLIVYNDSGAPVPAGDPRNDYFTAVG--DQSDAGGAEDTKPGYGPNTRTMM----	QIKVRAAI						
	RGQVMPYESAGLK							
biliru/oxidas mpf-A(part).p St. ch.	570	580	590	600	610	620	630	572 600 19
	MMAAFNATVLPDYGYNATVFDPMEEELWQARPYELGEFQAQSGQ--FSVQAVTERIQTMAEYRPPYAAADE							
	TTPSFDGQIRDARQRGDSTALKA--EI--PKAYIAQKPPVVGQDVYNQALGTTWGAT-----PSLNGNPG							

FIG.-4B

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GTCAATATGCTGTTCAAGTCATGGCAACTGGCAGCAGCCTCCGGGCTCCTGTCTGGAGTCCCTCGGCATCCCGATGGACACCGGCAGCCAC 90
 M L F K S W Q L A A A S G L L S G V L G I P M D T G S H 28
 CCCATTGAGGCTGTTGATCCCGAAGTGAAGACTGAGGTCTTCGGCTGACTCCCTCCTTGTCTGCAGCAGGCGATGACGACTGGGAGTCACCT 180
 P I E A V D P E V K T E V F A D S L L A A A G D D D W E S P 58
 CCATACAACTTGCTTTACAGGAATGCCCTGCCAATTCACCTGTCAAGCAGCCCAAGATGATCATTAACAACCTGTCAACCGGCAAGGAC 270
 P Y N L L Y R N A L P I P P V K Q P K M I I T N P V T G K D 88
 ATTTGGTACTATGAGATCGAGATCAAGCCATTTCAGCAAGGATTACCCACCTTGCCGCCCTGCCACTCTCGTCGGCTACGATGGCATG 360
 I W Y Y E I E I K P F Q Q R I Y P T L R P A T L V G Y D G M 118
 AGCCCTGGTCCCTACTTTCAATGTTCCAGAGGAACAGAGACTGTAGTTAGTTTCATCAACAATGCCACCGTGGAGAACTCGGTCCCATCTG 450
 S P G P T F N V P R G T E T V V R F I N N A T V E N S V H L 148
 CACGGCTCCCCATCGGTGCCCCCTTTTCGATGGTGGCTGAAGATGTGACCTTCCCTGGCGAGTACAAGGATTACTACTTTCCCAACTAC 540
 H G S P S R A P F D G W A E D V T F P G E Y K D Y Y F P N Y 178
 CAATCCGCGCCGCTTCTGTGGTACCATGACCAACGCTTTCATGAAGACTGTGAGAATGCCCTACTTTGGTCAGGCTGGCGCCTACATTATC 630
 Q S A R L L W Y H D H A F M K T A E N A Y F G Q A G A Y I I 208
 AACGACGAGGCTGAGGATGCTCTCGGTCTTCTAGTGGCTATGGCGAGTTCGATATCCCTCTGATCCTGACGGCCAGTACTATAACGCC 720
 N D E A E D A L G L P S G Y G E F D I P L I L T A K Y Y N A 238
 GATGGTACCCCTGCGTTCGACCGAGGTGAGGACCAGGACCTGTGGGGAGATGTATCCATGTCAACGGACAGCCATGGCCTTTCCTTAAC 810
 D G T L R S T E G E D Q D L W G D V I H V N G Q P W P F L N 268
 GTCCAGCCCGCAAGTACCGTTTCCGATTCTCCTCAACGCTGCCGTGTCTCGTGTGGCTCCTCTACCTCGTCAGGACCAAGCTCTCCCAAC 900
 V Q P R K Y R F R F L N A A V S R A W L L Y L V R T S S P N 298
 GTCAGAAATTCCTTTCCAAAGTCATTGCCCTCTGATGCTGGTCTCCTCAAGCCCCCGTTTCAGACCTCTAACCTCTACCTTGTGTGTCGGAG 990
 V R I P F Q V I A S D A G L L Q A P V Q T S N L Y L A V A E 328
 CGTTACGAGATCATTTATGACTTCACCAACTTTGTGGCCAGACTCTTTGACCTGCGCAACGTTGCTGTGAGACCAACGATGTTCGGCGACGAG 1080
 R Y E I I I D F T N F A G Q T L D L R N V A E T N D V G D E 358

FIG._5A

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GATGAGTACGCTCGCACTCTCGAGGTGATCGGCTTCGTGTCAGCTCTGGCACTGTGTGAGGACAACAGCCAGGTCCCCTCCACTCTCCGT 1170
D E Y A R T L E V M R F V V S S G T V E D N S Q V P S T L R 388
GACGTTCCCTTCCCTCACAAGGAAGGCCCCCGACAAAGCACTTCAAGTTTGAACGCAACGACACTACCTGATCAACGATGTT 1260
D V P F P P H K E G P A D K H F K F E R S N G H Y L I N D V 418
GGCTTTGCCGATGTCAATGAGCGTGTCCCTGGCCAAAGCCCGAGCTCGGCACCCGTTGAGGTCTGGGAGCTCGAGAACTCCTCTGGAGGCTGG 1350
G F A D V N E R V L A K P E L G T V E V W E L E N S S G G W 448
AGCCACCCCGTCCACATTCACCTTGTGACTTCAAGATCCTCAAGCGAACTGGTGTGTCGTGGCCAGGTTCATGCCCTACGAGTCTGCTGGT 1440
S H P V H I H L V D F K I L K R T G G R G Q V M P Y E S A G 478
CTTAAGGATGTCGTCTGTTGGCAGGGGTGAGACCCTGACCCCTACCAACCCCTGGACTGGAGCTTACATGTGGCACTGT 1530
L K D V V W L G R G E T L T I E A H Y Q P W T G A Y M W H C 508
CACAACCTCATTCACGAGGATAACGACATGATGGCTGTATTCAACGTCAACCGCCCTGAGGAGGAGGATATCTTCAGGAGGACTTCGAG 1620
H N L I H E D N D M M A V F N V T A M E E K G Y L Q E D F E 538
GACCCCATGAACCCCAAGTGGCGCGCGTTCTTACAACCGCAACGACTTCCATGTCGCGCTGGAAACTTCTCCGCCGAGTCCATCACT 1710
D P M N P K W R A V P Y N R N D F H A R A G N F S A E S I T 568
GCCCCGAGTGCAGGAGCTGGCCGAGCAGGAGCCGTACAACCGCCTCGATGAGATCCTGGAGGATCTTGGAAATCGAGGAGTAA 1791
A R V Q E L A E Q E P Y N R L D E I L E D L G I E E 594

FIG._5B

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CTGGCTAGCC TCACTTGGTA GACAGCCCTG ACAGCCTCAC TGGCTGGGG TCGAAAGGCC AGTCAATATC TTGGTCACTG 80
CTAATAGTTC CTTGCTACGC GCAAAAAGCT CCTTGCCGAA GGGGCACAGA CTATCAAGTG AGACATATAG GATGCATGTC 160
TTTCATAGCC ACAGTTAGGG TGGTGACCTA CTCGAAAGAG CCCCAGACTG CATGCATACG ACATGTCGCT TCCATGCAAC 240
ATGTATGCGC ACATCGGCGA TCAGGCACCC TCTGCATGCA GAATAGAACC CCCCTGGTTT CTTTTCCTTT CTTTTCCTTT 320
CTCAACGACG CGTGAGCGTG GTTAACTTGA GCAAGGCCGA GTGGTCTGTT CACGAGGTTA CCATCGAACT CTCCTCTTTC 400
CCAATCATGA CCTGCCCCC GAGTTTAGCC CCCATCACGG CTGTGAAATC CACTTCGATA ATCCTAGCCT AGTGCTACTC 480
TTCAATAGTT GTCCTGATG GGGCACTTG GTCACATTCG CTTGGTTYCT CCTACCTCGT TCTCTCCGC ATCAAGCCTC 560
TATGCCCCGAC GACAACACCT CATTGGCCCG GACCACCTTG AGCGCGCAG CACCTTCGG CCGAAGGAGT TGATAACACC 640
CTTCACCCCTT GCCCAATGAT GGAGTTTGG TCTATTTGTC ATGATCACCT CACATTCACT AGATCACGGA TCCTGGAAGA 720
GGGTGTGGAA GCCAGACCAG CTTGTCCCTG TTCTTGCAGA CTCAGGTCAG CTCCTAGCGG CTATCACAGC TCAGGATTAT 800
CAAGTCCCGT AAAGTCCAGA CCTTTTTCAT TGTATGATGC TGCCTAATTT GCGCTATCTC TATGCCGTAG CAGCCGTCTT 880
GGCTACAACT GGCTGCCATG GCTGAAGCAT CGTGAGATCT ATAAAGGTCT CCGAATCCTC GGTGAAGTCA GAATCGTCTC 960
TCCACACCCAG TCAACAACAA GCTTCTTTCT CTTACAGCTT AGCCTGAGCA CATTACAGA ACTCTTCCCT TCCTTTTCGTC 1040
AATATGCTGT TCAAGTCATG GCAACTGGCA GCAGCCTCCG GGCTCCTGTC TGGAGTCCTC GGCATCCCGA TGGACACCCG 1120
CAGCCACCCC ATTGAGGCTG TTGATCCCGA AGTGAAGACT GAGGTCTTCG CTGACTCCCT CTGCTGTGCA GCAGGCGATG 1200
ACGACTGGGA GTCACCTCCA TACAACCTGC TTTACAGGTG AGACACCTGT CCCACCTGTT TTCCCTCGAT AACTAACTCT 1280
TATAGGAATG CCCTGCCAAT TCCACCTGTC AAGCAGCCCA AGATGTATGT CTTTGATTTT CTACGAAGCA ACTCGGCCCC 1360
GACTAATGTA TTCTAGGATC ATTACCAACC CTGTCAACCG CAAGGACATT TGGTACTATG AGATCGAGAT CAAGCCATTT 1440
CAGCAAAGGG TGAGTTTGCT CAGAAACCTT GTGGTAATTA ATCATTTGTA CTGACCCTTT CAGATTACC CCACCTTGCG 1520

FIG. 6A

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CCCTGCCACT	CTCGTCGGCT	ACGATGGCAT	GAGCCCTGGT	CCTACTTTCA	ATGTTCCCAG	AGGAACAGAG	ACTGTAGTTA	1600
GGTTCATCAA	CAATGCCACC	GTGGAGAACT	CGGTCCATCT	GCACGGCTCC	CCATCGCGTG	CCCCTTTCGA	TGGTTGGGCT	1680
GAAGATGTGA	CCTTCCCTGG	CGAGTACAAG	GATTACTACT	TTCCCAACTA	CCAATCCGCC	CGCCTTCTGT	GGTACCATGA	1760
CCACGCTTTC	ATGAAGGTAT	GCTACGAGCC	TTTATCTTTC	TTGGCTACCT	TTGGCTAACC	AACCTTCCTTT	CGTAGACTGC	1840
TGAGAATGCC	TACTTTGGTC	AGGCTGGCGC	CTACATTATC	AACGACGAGG	CTGAGGATGC	TCTCGGTCTT	CCTAGTGGCT	1920
ATGGCGAGTT	CGATATCCCT	CTGATCCTGA	CGGCCAAGTA	CTATAACGCC	GATGGTACCC	TGCGTTTCGAC	CGAGGGTGAG	2000
GACCAGGACC	TGTGGGGAGA	TGTCATCCAT	GTCAACGGAC	AGCCATGGCC	TTTCCCTTAAC	GTCCAGCCCC	GCAAGTACCG	2080
TTTCCGATTTC	CTCAACGCTG	CCGTGTCTCG	TGCTTGGCTC	CTCTACCTCG	TCAGGACCAG	CTCTCCCAAC	GTCAAGAAATTC	2160
CTTTCCAAGT	CATTGCCCTCT	GATGCTGGTC	TCCTTCAAGC	CCCCGTTCAG	ACCTCTAACC	TCTACCTTGC	TGTTGCCGAG	2240
CGTTACGAGA	TCATTATTGG	TATGCCCTCC	CCCTCTCAGC	ATGAGTCAAG	AACCTTAAGA	CTAACACTTG	TAGACTTTCAC	2320
CAACTTTGCT	GGCCAGACTC	TTGACCTGCG	CAACGTTGCT	GAGACCAACG	ATGTCGGCGA	CGAGGATGAG	TACGCTCGCA	2400
CTCTCGAGGT	GATGCGCTTC	GTCGTCAGCT	CTGGCAGTGT	TGAGGACAAC	AGCCAGGTCC	CCTCCACTCT	CCGTGACGTT	2480
CCTTTCCCTC	CTCACAAAGGA	AGGCCCCGCC	GACAAGCACT	TCAAGTTTGA	ACGCAGCAAC	GGACACTACC	TGATCAACGA	2560
TGTTGGCTTT	GCCGATGTCA	ATGAGCGTGT	CCTGGCCCAAG	CCCAGCTCG	GCACCGTTGA	GGTCTGGGAG	CTCGAGAACT	2640
CCTCTGGAGG	CTGGAGCCAC	CCCCGCCACA	TTACACCTTGT	TGACTTCAAG	ATCCTCAAGC	GAACGTGGTG	TCGTGGCCAG	2720
GTCAATGCCCT	ACGAGTCTGC	TGGTCTTAAG	GATGTCGTCT	GGTTGGGCAG	GGGTGAGACC	CTGACCATCG	AGGCCCCACTA	2800
CCAACCCCTGG	ACTGGAGCTT	ACATGTGGCA	CTGTCAACAAC	CTCATTCACG	AGGATAACGA	CATGATGGCT	GTATTCAACG	2880
TCACCGCCAT	GGAGGAGAAG	GGATATCTTC	AGGAGGACTT	CGAGGACCCC	ATGAACCCCA	AGTGGCGCGC	CGTTCCCTTAC	2960
AACCGCAACG	ACTTCCATGC	TCGCGCTGGA	AACCTTCTCCG	CCGAGTCCAT	CACGTGCCCGA	GTGAGGAGC	TGGCCGAGCA	3040

FIG. 6B

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GGAGCCGTAC AACCGCCTCG ATGAGATCCT GGAGGATCTT GGAATCGAGG AGTAAACCCC GAGCCACAAG CTCTACAATC 3120
GTTTTGAGTC TTAAGACGAG GCTCTTGGTG CGTATTCTTT TCCTCCCTAC GGGGAACCTCC GCTGTCCACT GCGATGTGAA 3200
GGACCATCAC AAAGCAACGT ATATATTGGA CTCACCACTG TCATTACCGC CCACTTGTA CTATTGATT CTTGTTCAAA 3280
CTTTTCTAGT GCGAGAGTGT CCATAGTCAA GAAACGCCCA TAGGGCTATC GTCTAAACTG AACTATTGTG TGGTCTGTGA 3360
CGTGGAGTAG ATGTCAATTG TGATGAGACA CAGTAAATAC GGTATATCTT TTCCTAGGAC TACAGGATCA GTTCTCATG 3440
AGATTACATC CGTCTAATGT TTGTCCATGA GAGTYWAGCT AAGGTTGAGA ATGCATCAGA CGGAATCATT TGATGCTCTC 3520
AGCTCGTATT ACCGATGTAA GACAAGTTAG GTAAGTTGCT TGGTATCCGA AAATGACTCA GGCTCCCTCA TTAGGTTGCA 3600
TGTGAAAACC TTCAGCAACT CATGGGTGTT GGGACCAAAT CATCCATACC TGATTTTGAT AACTGACCCTG GGTCAT 3677

FIG._6C

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1 .....MFKHTLGAAALSLLFNSNAVQA.SVPETSPATGHLFKRV 39
1 MLFKSWQLAAASGLLSGVLGIPMDTGSHPIEAVDPEVKTEVFADSLAAA 50
40 AQISPQYPMFTV....PLPIPPVKQPRLTVTNPVNGQEIWYYEVEIKPFT 85
51 GDDDWESPYNLLYRNALPIPPVKQPKMIITNPVTGKDIWYYEIEIKPFQ 100
86 HQVYFDLGSADLVGYDGMSPGPTFQVPRGVETTVVRFINNAEAPNSVHLHG 135
101 QRIYPTLRPATLVGYDGMSPGPTFNVPRGTETTVVRFINNATVENSVHLHG 150
136 SFSRAAFDQWAEDITEPGSFKDYYPNRSARTLWYHDHAMHITAENAYR 185
151 SPSRAAFDQWAEDVTFPGGEYKDYYFPNYQSARLLWYHDHAFMKTAENAYF 200
186 GQAGLYMLTDPADALNLP SGYGEFDIPMILTSKQYTANGNLVTNGELN 235
201 GQAGAYIINDEADALGLPSGYGEFDIPLILTAKYYNADGTLRSTEGEDQ 250
236 SFWGDVIHVNGQPWPFFKNVEPRKYRFRFLDAAVSRSGLYFADTDAIDTR 285
251 DLWGDVIHVNGQPWPFFLNQPRKYRFRFLNAAVSRALLYLVRTSSPNVR 300
286 LPFKVIASDSGLLEHPADTSLLYISMAERYEVVDFSDYAGKTIELRNLG 335
301 IPFQVIASDAGLLQAPVQTSNLYLAVAERYEIIIDFTNFAGQTLDLRNV. 349
336 GSIGGIGTDDYDNTDKVMRFVADDTTQPDTSVVPANLRDVFPSPPTTN 385
350 AETNDVGDEDEYARTLEV MR FVVS SGTVE.DNSQVPSTLRDVFPFPHKEG 398
386 .TPRQFRFGRTGPTWTINGVAFADVQNRLLANVPVGTVERWELINAGNGW 434
399 PADKHFKFERSNGHYLINDVG FADVNERVLAKPELGTVEVWELENSSGGW 448
435 THPIHHLVDFKVISRTSGNNARTVMPIYES.GLKDVVWLGRRET VVVEAH 483
449 SHPVHHLVDFKILKRTGGRG..QVMPYESAGLKDVVWLGRGETLTIEAH 496
484 YAPFPGVYMFHCHNLIHEDHDMMAAFNATVLPDYGYNATVFVDPMEELWQ 533
497 YQPWTGAYMWHCHNLIHEDNDMMAVFNVTAMEEKGYLQEDFEDPMNPKWR 546
534 ARPYELGEFQAQSGQFSVQAVTERIQTMAEYRPYAAADE..... 572
547 AVPYNRNDFHARAGNFSAESITARVQELAEQEPYNRLDEILEDLGIEE 594

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FIG. 7

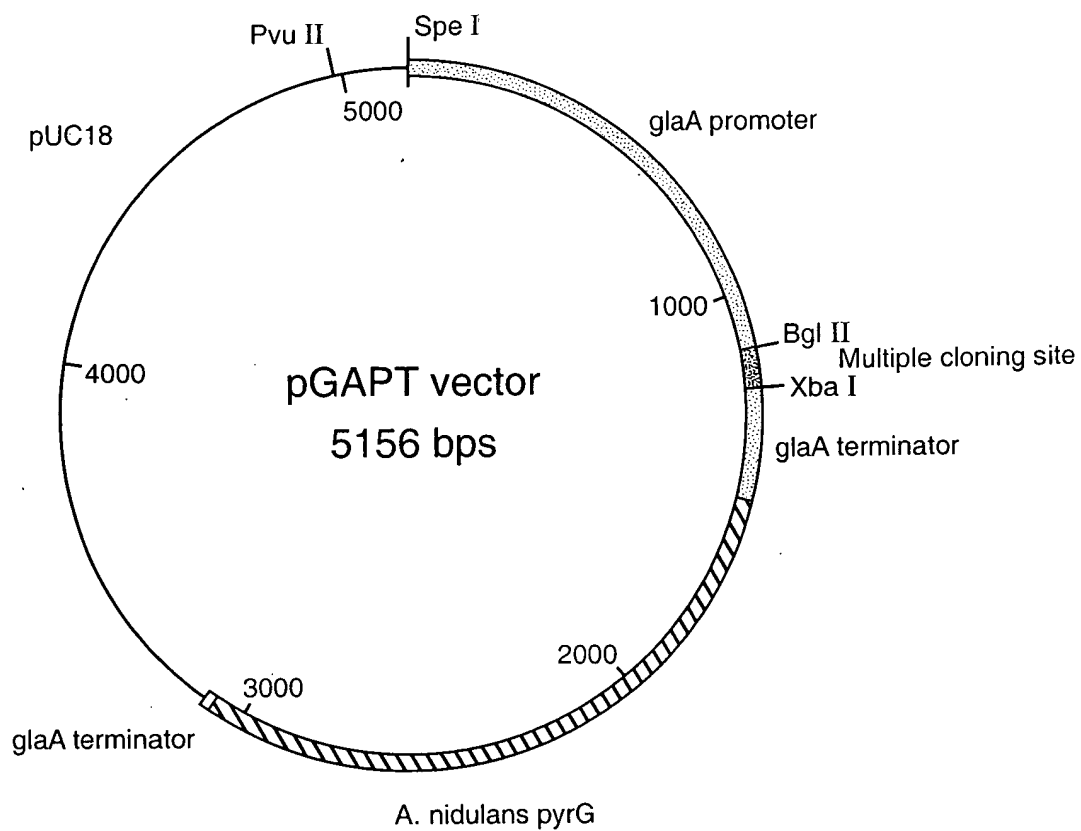


FIG._8

AGATCTAATA TGCTGTTCAA GTCATGGCAA CTGGCAGCAG CCTCCGGGCT CCTGTCTGGA 60
 GTCCCTCGGA TCCCGATGGA CACCGGCAGC CACCCCATTG AGGCTGTTGA TCCCGAAGTG 120
 AAGACTGAGG TCCTCGCTGA CTCCCTCCTT GCTGCAGCAG GCGATGACGA CTGGGAGTCA 180
 CCTCCATACA ACTTGCTTTA CAGGTGAGAC ACCTGTCCCA CCTGTTTTCC CTCGATAACT 240
 AACTCTTATA GGAATGCCCT GCCAATTCCA CCTGTCAAGC AGCCCAAGAT GTATGTCTTT 300
 GATTTCTAC GAAGCAACTC GGGCCCGACT AATGTATTCT AGGATCATTA CCAACCCCTGT 360
 CACCGGCAAG GACATTTGGT ACTATGAGAT CGAGATCAAG CCATTTCAGC AAAGGGTGAG 420
 TTTGCTCAGA AACCTTGTGG TAATTAATCA TTGTTACTGA CCCTTTCAGA TTTACCCCCAC 480
 CTTGGCGCCCT GCCACTCTCG TCGGCTACGA TGGCATGAGC CTTGGTCCTA CTTTCAATGT 540
 TCCCAGAGGA ACAGAGACTG TAGTTAGGTT CATCAACAAT GCCACCGTGG AGAACTCGGT 600
 CCATCTGCAC GGCTCCCCAT CGCGTGCCCC TTTCGATGGT TGGGCTGAAG ATGTGACCTT 660
 CCCTGGCGAG TACAAGGATT ACTACTTTCC CAACTACCAA TCCGCCCCGC TTCTGTGGTA 720
 CCATGACCAC GCTTTCATGA AGGTATGCTA CGAGCCCTTTA TCCTTCTTGG CTACCTTTGG 780
 CTAACCAACT TCCTTTTCGTA GACTGCTGAG AATGCCTACT TTGGTCAGGC TGGCGCCTAC 840
 ATTATCAACG ACGAGGCTGA GGATGCTCTC GGTCCTTCTA GTGGCTATGG CGAGTTCGAT 900
 ATCCCTCTGA TCCTGACGGC CAAGTACTAT AACGCCGATG GTACCCCTGG TTCGACCGAG 960
 GGTGAGGACC AGGACCTGTG GGGAGATGTC ATCCATGTCA ACGGACAGCC ATGGCCTTTC 1020
 CTTAACGTCC AGCCCCGCAA GTACCGTTTC CGATTCTCTA ACGTGCCGT GTCTCGTGCT 1080

FIG. 9A

TGGCTCCTCT ACCTCGTCAG GACCAGCTCT CCCAACGTC GAATTCCTTT CCAAGTCATT 1140
 GCCTCTGATG CTGGTCTCCT TCAAGCCCC GTTCAGACCT CTAACCTCTA CCTTGCTGTT 1200
 GCGGAGCGTT ACGAGATCAT TATTGGTATG CCTTCCCCTC TCACGAATGA GTCAAGAAT 1260
 CTAAGACTAA CACTTGATGA CTTCAACCAAC TTTGCTGGCC AGACTCTTGA CCTGCGCAAC 1320
 GTTGCTGAGA CCAACGATGT CGGCGACGAG GATGAGTACG CTCGCACTCT CGAGGTGATG 1380
 CGCTTCGTCG TCAGCTCTGG CACTGTTGAG GACAACAGCC AGGTCCCCTC CACTCTCCGT 1440
 GACGTTCTTT TCCCTCCTCA CAAGGAAGGC CCCGCCGACA AGCACTTCAA GTTTGAACGC 1500
 AGCAACGGAC ACTACCTGAT CAACGATGTT GGCTTTGCCG ATGTCAATGA GCGTGTCCCTG 1560
 GCCAAGCCCC AGCTCGGCAC CGTTGAGGTC TGGGAGCTCG AGAACTCCTC TGGAGGCTGG 1620
 AGCCACCCCG TCCACATTCA CCTTGTTGAC TTCAAGATCC TCAAGCGAAC TGGTGGTCCGT 1680
 GGCCAGGTCA TGCCCTACGA GTCTGCTGGT CTTAAGGATG TCGTCTGTTT GGGCAGGGGT 1740
 GAGACCCCTGA CCATCGAGGC CCACTACCAA CCTGGACTG GAGCTTACAT GTGGCACTGT 1800
 CACAACCTCA TTCACGAGGA TAACGACATG ATGGCTGTAT TCAACGTAC CGCCATGGAG 1860
 GAGAAGGGAT ATCTTCAGGA GGACTTCGAG GACCCCATGA ACCCCAAGTG GCGCGCCGTT 1920
 CCTTACAACC GCAACGACTT CCATGCTCGC GCTGGAAACT TCTCCGCCGA GTCCATCACT 1980
 GCCCGAGTGC AGGAGCTGGC CGAGCAGGAG CCGTACAACC GCCTCGATGA GATCCTGGAG 2040
 GATCTTGGAA TCGAGGAGTA GTCTAGA 2067

FIG._9B

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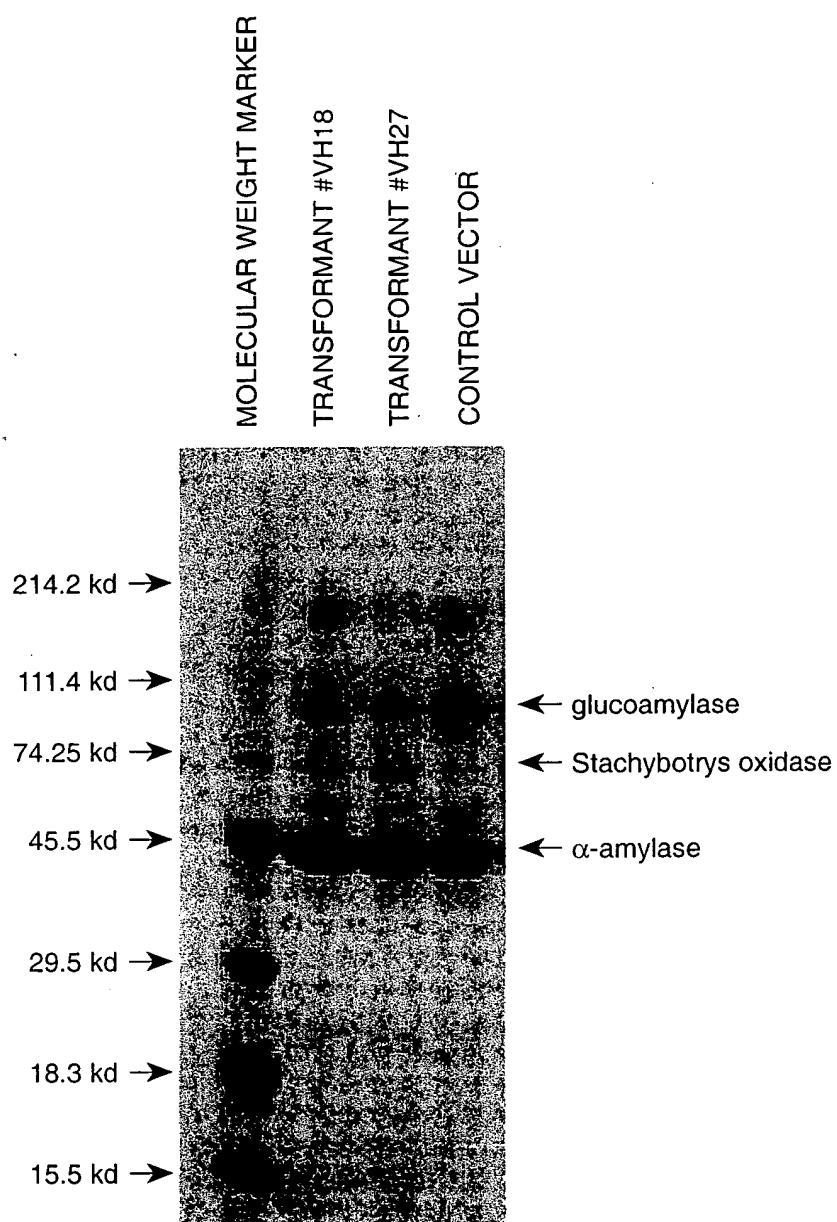


FIG. 10

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